The Wobbly Oscillator

Cuyahoga Amateur Radio Society

August 2021 Volume 51 Number 8

Hams Who Serve

A Great Summer Picnic

From The Prez

A Day Late and a Dollar Short

We offer genuine apologies to all *Wobbly Oscillator* readers for the delay in publishing this month's issue. Technical difficulties with the editor's computer resulted in essentially a total loss of all *WO* files requiring recreation of saved formats. That lengthy process was backburnered for as long as possible while your faithful editor's friend and IT guru Ron, K8RJH, endeavors to recover the missing data from the severely crashed hard drive. We cannot thank Ron enough for his tenacious effort as he continues the difficult procedure despite his demanding professional workload.

On the bright side, the regeneration of formats gives us the opportunity to spiff up the looks a bit.
We'll see what can be done in the limited time frame. Any feedback will be welcomed and appreciated. Meanwhile, I will be banging out this issue envisioning myself as one of Fred Flintstone's pals using a hammer and chisel on a flat rock.

Not being one to give advice, (The only advice I gave my children was "Don't take my advice.") it wouldn't be a bad idea for anyone who has a personal computer to back up their files. There are numerous and inexpensive ways to accomplish a backup these days, and I will be the first in line to do so.

September Meeting

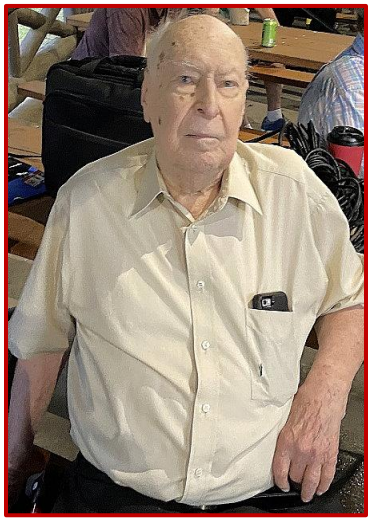
We will be heading back to the Busch Community Room for our September meeting. On the suggestion of our acting secretary, Matt, KE8OZU, we will also incorporate Zoom as we have done in the past to accommodate any members who may feel uncomfortable in a closed room due to the new complications of the COVID virus, as well as any of our distance challenged members. Once again, we must thank Ron, K8RJH, for his efforts getting us hooked up on Zoom. This guy deserves one heaping share of "attaboys."

Support Your Local Webmaster

CARS webmaster, Bob, W8GC, and I have been working together during the 2021 membership renewal period updating and correcting the website club roster. We plea at most meetings and say on the homepage for members to contact Bob with any changes in their personal information such as new addresses, phone numbers, email addresses, license class upgrades, or new call signs. All too often, we become aware of these changes well after the fact. So please let Bob be aware of any updates. He does an incredible amount of club related work behind the scenes that we should thank him for and not make his job any tougher.

73, Toby, WT8O

WT8O, awards his granddaughter, Sarah the 2021 scholarship check. Sarah and her family were visiting from Arizona.



It was good to see Ed, WB8ROK, meet Sarah, who he exchanged meaningful letters with.

Mark, WJ8WM, the main man behind the picnic, stands tall as he oversees the food preparation.

Next CARS Meeting

Tuesday, September 14 - 7:30 PM

Special Guest
Scott Yonally, N8SY
ARRL Great Lakes Division Vice Director

Busch Community Room
&
Zoom
See Website for Details - www.2cars.org

CARS Meeting Minutes
July 13, 2021

LOCATION---The meeting was held in The Harriet Keeler Picnic Pavilion in the Brecksville Reservation of the Cleveland Metroparks

CALLED TO ORDER---The meeting was called to order by President Toby Kolman, WT8O, at 7:31 PM.

PLEDGE OF ALLEGIANCE---Those present pledged allegiance to the flag of the United States of America.

INTRODUCTIONS---Those present introduced themselves.

JUNE MINUTES---The June minutes were approved as published in the *Wobbly Oscillator*.

TREASURER'S REPORT---Bob Robbins, K8RGI, reported on the club's current financial situation. No issues or concerns were identified.

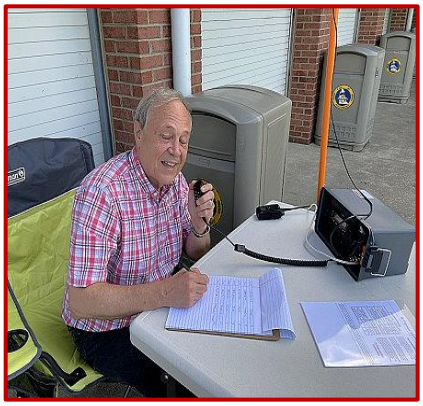
PRESIDENT'S REPORT---Toby Kolman, WT8O:

- Next month's program is on stealth antennas - both indoor and outdoor. Please send any suggestions for material to Toby. George, K8KR, shared a story about stealth antennas since he will not be able to attend next month's meeting.
- Toby presented the club scholarship to this year's winner, Sarah Kolman. As part of the presentation, Toby read the club's award letter to Sarah and her response.
- Toby thanked Shawn, KE8RMV, for providing coffee for the meetings.
- Toby thanked Eddie, KD8FTS, for supporting the Sizzler Bike Race.
-

VICE PRESIDENT'S REPORT---Mark Moro, WJ8WM, reported that the club will have a picnic on Friday, July 30, 2021 at 6:00 PM at the Kiwanis Pavilion in Independence. Please let Mark know if you plan to attend. Please also let Mark know if you have any ideas for games or activities.

Bob, W8GC, CARS Hall of Famer, treasurer, and webmaster yuks it up with XYL, Betty, at the picnic.

Shawn, KE8RMV, confidently smiles thinking he's got the game in the bag. The young lady, Joel, K8SHB, and Obie may think otherwise.



Ron, K8RJH, happily and expertly handles the mike for the picnic checker inners.

SECRETARY'S REPORT---Ed Stevens, WB8ROK, reported that Joyce Panzer, Alex Panzer's (Silent Key) wife, is still interesting in supporting ham radio and plans to participate in Field Day 2022.

NEW MEMBER---A new member, Steven Alex, KE8PMS, was voted into the club.

PUBLIC SERVICE---Eddie, KD8FTS, reported that volunteers are needed to help with:

- The Pan Ohio Hope Ride on July 22-25. It will take place near Columbus and Cleveland area hams are needed to help. Lodging and meals will be provided. Seven of 14 vehicles have been filled.
- Buckeye Breakaway (formerly Pedal to the Point) on August 7 between Cleveland and Ashland
- The Sunday in June bike ride (scheduled in September) near Burton
- The Cleveland Hamfest on September 26
- The Cleveland Marathon, date TBD, needs 25-30 ham volunteers
- Contact Eddie at kd8fts@eddiestevens.com for additional information on any of the events or to volunteer to help

VE UPDATE---Metro, W8MET, reported that VE sessions are back in Independence. The July VE resulted in two new Technicians, one general and one amateur extra. The next CARS VE Session will be on Sunday, September 12, 2021 at the Old Rec Center in Independence.

PROGRAM COMMITTEE---Joe, KD8BAL, reported that:

- Today's program will be a video on RF exposure
- August's program will be on stealth antennas, presented by Toby, WT8O
- September's program will be presented by Scott Yonally, N8SY
- Please send ideas for programs to Joe

TECH COMMITTEE---Scott, AC8NW, had nothing to report. Toby, WT8O, brought forward and idea from David, AC8TN, that the club should look into Wires X.
FIELD DAY---Bob, K8RGI, reported that field day was successful. Toby, WT8O, presented certificates to Field Day 2021 participants and thanked Bob for a successful Field Day 2021.
REFRESHMENTS---Toby, WT8O, reported that he was going to check in with Rich, NW8X, to make sure that Rich is doing OK.

Joe, KD8BAL, shows off his good fortune after winning the 50/50 drawing.

Three generations – Jesse (son), Chloe (granddaughter), and Sherr (XYL) sit with Sarah.

The Stevens family, along with numerous guests, enjoy the picnic.

NEW BUSINESS---Toby, WT8O, reported that he and David, KD8ACO, have discussed having a licensing class in early 2022. Mike and Duane Laurens are both doing fine.

NEXT MEETING---The next meeting of The Cuyahoga Amateur Radio Society will be on August 10, 2021. The meeting will once again be held in The Harriet Keeler Picnic Pavilion in the Brecksville Reservation of the Cleveland Metroparks. The September meeting is planned to be held at Busch Funeral Home on Ridge Rd in Parma.

50/50 DRAWING---The 50/50 drawing was won by Mark, WJ8WM.

ADJOURNMENT---The meeting was adjourned at 8:17 PM.

After the meeting, a video on RF exposure was played.

Respectfully submitted,
Matt Perlman, KE8OZU

WELCOME NEW MEMBER

STEVEN ALEX
KE8PMS

August Net Sked

AUG	4	WT8O
AUG	11	K8RJH
AUG	18	N8OWS
AUG	25	AC8NW

Nets are run every Wednesday at 9:00 PM on 146.820 (PL 110.9)

CARS Repeaters

146.820 (-) PL Tone 110.9

Analog Repeater

Main Site – Brecksville

Receive Only Site – Brunswick

Receive Only Site – Shaker Hts.

Allstar Node 47067

EchoLink Node 343470 (K8ZFR-R)

****

443.825 (+) PL Tone 131.8

Digital Yaesu Fusion

Linked to 146.820 Repeater

Brecksville

****

444.75 (+) PL Tone 131.8

Analog Repeater

Not Linked to Other Repeaters

Shaker Hts.

Another Digital Mode - Yaesu's Wires-X

David Korow, AC8TN

In recent months I have been exploring and operating Yaesu Radio WIRES-X: Wide Coverage Internet Repeater Enhancement System. WIRES-X is an Internet communication system using VoIP (voice over internet protocol), which expands the range of amateur radio communication using Yaesu's C4FM 4-level FSK Technology to generate digital voice and data. For WIRES-X connectivity, an amateur node station or a Repeater connected to the Internet provides communication to the Internet. Hams can communicate with other amateur stations all over the world with high quality audio with or without the use of RF.

What about analog FM radio use on Wires-X? WIRES-X does support traditional analog FM users. Not only can analog FM stations have a QSO with each other, WIRES-X also permits C4FM Digital stations to communicate with analog FM stations.

So what do you need to get started? There are many ways to access the rooms and nodes, but this article will focus on using a Yaesu Fusion C4FM radio (see fig 1). These radio's have the firmware/software already installed to access Wires-X. Meaning, no need to buy/install the HRI-200 that was needed in the past to interface Fusion radios to the internet.

I went through the following steps to connect my HT to my laptop to access Wires-X:

1. Since I bought my FT2D HT (fig 2) in 2015, first thing I had to do was to update the radio's firmware. Following the instructions this was an easy process.
2. Purchased the interface cable set for the FT2D radio (fig 3): Yaesu SCU-39. A different cable set is needed for different radio models.
3. Registered my HT on the Wires-X website (fig 4): https://www.yaesu.com/jp/en/wires-x/regist/registration.php?id=d315b4dcb3
4. Download the Wires-X software onto my laptop. I am using a PC, Wires-X is not supported on Apple computers.
5. Wait a few days for Yaesu to reply to my registration application with an email providing me my unique Wires-X Node ID and Room ID numbers.

Fig 2

YAESU
SCU-39
WIRES-X CONNECTION CABLE for Remote PC Access through Internet for FT2D Series
CÂBLE DE CONNEXION WIRES-X pour accès PC à distance par Internet pour Série FT2D
WIRES-X-VERBINDUNGSKABEL für PC-Fernzugriff über Internet für Serie FT2D
CABLE DE CONEXIÓN WIRES-X para acceso remoto a PC a través de Internet para la Serie FT2D
CAVO DI COLLEGAMENTO WIRES-X per accesso remoto a PC tramite internet per la Serie FT2D

Fig 3

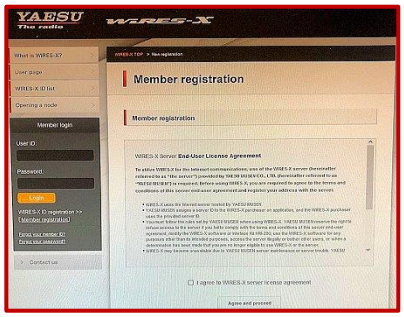


Fig 4

If you want to learn all about Wires, Wires-II and today's Wires-X as well as how to connect your radio and setup the software, I'd recommend watching a series of three Yaesu YouTube videos, https://www.youtube.com/watch?v=ogq_49XeozY&t=1439s. See fig 5.

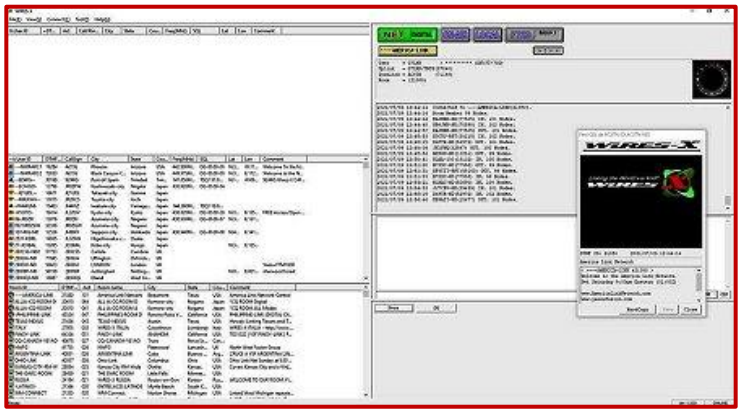
Running the Wires–X software you'll see the image in fig 6. The center window on the left lists available nodes that can be accessed with the RF frequencies noted. At the writing of this article there are over 1,400 different nodes listed in this window from all over the world. The lower left window lists the rooms that can be accessed. The most popular room #21080 in NA is America Link, from Beaumont, TX.

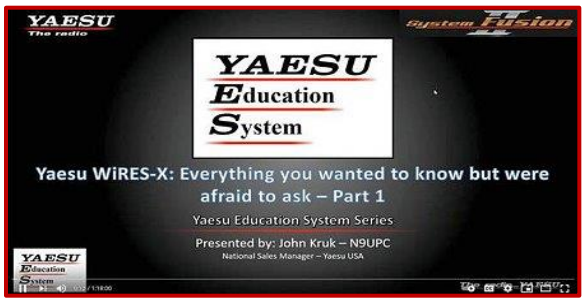
The image in fig 7 is my mobile (FTM400XD) cross band connected to my home FT2D node. This set-up permits me to access Wires-X while mobile and close enough to my home QTH to connect to my HT2D access point.

You may already be connecting to Wires-X with your DMR or Pi-Star hotspot. These are just some of the other ways to connect to Wires-X. Here's a YouTube video that will provide you more information on setting up a hotspot with your Fusion radio. https://www.youtube.com/watch?v=N60ho7SQ48M

Enjoy amateur radio, and keep learning. It's what keeps the hobby forever new.

73 and all the best, Dave, AC8TN




YAESU
Education System
Yaesu WiRES-X: Everything you wanted to know but were afraid to ask – Part 1
Yaesu Education System Series
Presented by: John Kruk – N9UPC
National Sales Manager – Yaesu USA

< Fig 5

< Fig 7

August Birthbays

Erin Austin, KD8SLV	8/22
Fred Freer, AK8IG	8/30/42
Ron Hollas, K8RJH	8/16/55
Gerald Purcell, KC8LAU	8/24/61
Mark Rosewicz, KC8ESG	8/19
Gene Stepanik. KE8GUZ	8/22
Eddie Stevens, KD8FTS	8/14
Mark Swanson, KE8OKN	8/6/56
Tom Wayne, WB8N	8/17

If any are missing, please inform the editor.

Two Local Amateurs begin their Retirement Voyage

Ron – K8RJH

Shauna Welch, KE8MAC, and Richard Lukich, KE8MAD, are embarking on what may be considered the ultimate retirement voyage this month. Both Shauna and Richard obtained their amateur licenses through the CARS VE program in the spring of 2019. Since then, they have both been preparing “Undone” a 42 Foot Sailboat now harbored in Edgewater for touring various islands and countries in the Caribbean.

Shauna, a school district administrator, and Rick, a local businessperson, both retired from their full time jobs earlier this year. After years of Sailboat training and gaining navigation experience on both the Great Lakes and Eastern Atlantic, they are now fulfilling their desire for new adventure and discovery.
Their plan is to depart the Cleveland area in mid-August 2021, transit the New York State canal and lock system, and navigate the Hudson River to the Atlantic Ocean. Then leisurely sail along the Eastern US coastline with stops in Annapolis, the Carolinas, before wintering in Florida. Then before Hurricane season in the spring 2022, travel to the southern Caribbean region for touring and exploring.
Shauna and Rick do plan to be on HF and VHF throughout their retirement cruse. It is also quite possible that they will be heard occasionally on the CARS repeater using EchoLink!

Rick, KE8MAD, and Shauna, KE8MAC check out the ICOM HF transceiver. (L)

Rick and Shauna atop their sailboat “Undone.” (R)

The Rear Deck of “Undone” as it is nearing preparations for Atlantic Ocean service. This view shows the HF Antenna Insulator and Feedpoint. There is an ICOM automatic antenna tuner under this deck cavity that provides the radio matching. The length of the antenna is around 60 feet and is supported by the sailboat mast. (Left)

Preparations for the 42 foot Sailboat includes a new Paint Job. (Right)

VE Session

The CARS July VE session brought two new hams into the Amateur Radio Service. Cole Reinholt, KE8SNL, and Irvin Young III, KE8SNM, passed their Technician exams becoming licensed amateurs. We welcome Cole and Irvin into the ham radio hobby. John Dernar, KE8MAI, upgraded to General, and Steven Alex, KE8PMS, upgraded to Amateur Extra. Congratulations to all.

Special thanks to our outstanding VE team, capably led by Metro, W8MET, and consisting of Gary, NI8Z; Linda, N8LRS; Larry, N8OWS; George, K8KR.

The next VE testing session will be held Sunday, September 12th, at **9:15 AM*** at the Old Elmwood Recreation Center, 6200 Pete Wisniesky Parkway, Independence 44131. Directions and a map are on the CARS website homepage. For information or an appointment please contact Metro, W8MET, at 216-520-1320 or metro351@sbcglobal.net

As always, walk-ins are welcome.

***Please note time change to 9:15 AM.**

NASA Report
Bob, KC8MRC

NASA is getting ready a CubeSat for mounting on the launch vehicle when Artemis 1 goes into space later this year. The mission is a solar sail mission to investigate asteroids that are in orbit ahead of, and behind the earth. This one of the great specials NASA offers to small satellite makers.

50 years ago, in July, 1971 the first Lunar Rover was driven on the moon.

Russia undocks ISS module in preparation for new module that was launched last week to be docked in the next day or two.

The launch of the unmanned OFT-2 to the International Space Station is now scheduled for no earlier then Tuesday, August 3, 21. at 1:20 PM.

The Wobbly Oscillator is a publication of the Cuyahoga Amateur Radio Society, P.O. Box 31264, Independence, Ohio, 44131-0264. Articles from this publication may be reprinted in any ham radio publication, provided that credit is given to this publication and the author, if known. All submissions should be emailed to: wt8o@att.net by the end of the month for publication in the next month's issue.

Honorary Members

Any person who by nature of outstanding or meritorious contribution to the furtherance of amateur radio and the ideals of the Cuyahoga Amateur Radio Society

Robert Check, W8GC
Elected 2/10/15

Thomas Wayne, WB8N
Elected 1/10/17

Dwaine Modock, K8ME, SK
Elected 5/9/17

Toby Kolman, WT8O
Elected 10/10/17

Jerry Smith, NW9H
Elected 5/8/18

Ron Borkey, K8VJG, SK
Elected 5/14/19

Ed Stevens, WB8ROK
Elected 8/10/21

CARS 2021 Officers & Committees

Audit
WJ8WM ** WT8O, KD8OUE

Audio/Video
AC8NW **

ARRL Liaison
WJ8WM **

Awards
W8GC ** WT8O

Christmas party & Summer Picnic
WJ8WM **, K8ARP, KD8FTU, KD8FTV

Club Photographer
N8OWS **

Field Day
K8RGI **, WT8O, WJ8WM, K8ARP, KD8SCV, AC8NW, AC8TN, WT8O, K8RJH, N8BBB food

50/50
KD8SCV

Hamvention Bus
KD8FTS **

License classes
KD8ACO **, WT8O, K8SHB

Media Representative
KD8SCV

Membership
WT8O ** W8GC

NET
WT8O **

Newsletter
WT8O ** 440-525-6109
wt8o@att.net

Programs at Meetings
KD8BAL ** KD8FTS, KE8OZU

Property Custodian's
KB8DTC records, W8GC equipment

Public Services
KD8FTS **, K8ARP

QSL Manager - W8HBI, W8BM
WB8N **

Refreshments at Meetings & Picnic
K8RJH ** pop, NW8X ** Donuts

Scholarship
W8GC ** WJ8WM, K8RGI, WB8ROK, WT8O

Sunshine (welfare)
Andy, KD8SCV ** 440-886-0723

Technical
AC8NW ** N8OVW, WJ8WM, KD8ACO, K8RJH, KB8DTC

VE Exams
Metro, W8MET ** 216-520-1320

Web Master/e-mail
W8GC **

** chairman or co-chairman

2021 Officers

PRESIDENT
Toby Kolman WT8O 440-525-6109
wt8o@att.net

VICE-PRESIDENT
Mark Moro, WJ8WM 216-661-0342

SECRETARY
Ed Stevens, WB8ROK 216-267-5473
Alternate Secretary: Matt, KE8OZU

TREASURER:
Bob Check W8GC 216-524-1750
Alternate Treasurer: Bob Robbins, K8RGI

Board Members & License Trustees

Board Chairman:

Alternate Chairman:
K8ARP, Arp Viiberg

even year executive board 2 year term
AC8NW, KB8DTC, KD8OUE

odd year executive board 2 year term
K8RGI, K8ARP, K8RJH

License trustee
K8ZFR
WT8O

License trustee
W8HBI, W8BM,
W8GC

August 11, 2021